

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A tetrafluoroethylene polymer aqueous dispersion obtained by carrying out a tetrafluoroethylene polymerization in an aqueous medium in the presence of a fluorovinyl group-containing emulsifier,

wherein said tetrafluoroethylene polymer aqueous dispersion contains a particle comprising a tetrafluoroethylene polymer dispersed in said aqueous medium,

said fluorovinyl group-containing emulsifier comprises a fluorovinyl group-containing compound (I) represented by the general formula (I):



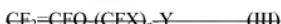
wherein a represents an integer of 1 to 10 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 , or an alkali metal,

a fluorovinyl group-containing compound (II) represented by the general formula (II):



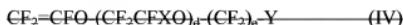
wherein b represents an integer of 1 to 5 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 , or an alkali metal,

a fluorovinyl group-containing compound (III) represented by the general formula (III):



wherein X represents F or $-\text{CF}_3$, c represents an integer of 1 to 10 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 , or an alkali metal,

a fluorovinyl group-containing compound (IV) represented by the general formula (IV):



wherein X represents F or CF_3 , d represents an integer of 1 to 10, e represents an integer of 1 to 3 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 or an alkali metal,

a fluorovinyl group-containing compound (V) represented by the general formula (V):



wherein f represents an integer of 0 to 10 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 or an alkali metal, and/or

a fluorovinyl group-containing compound (VI) represented by the general formula (VI):



wherein g represents an integer of 1 to 10 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 or an alkali metal,

said tetrafluoroethylene polymer aqueous dispersion has a fluorine-containing surfactant content of not higher than 50 ppm by mass,

wherein the tetrafluoroethylene polymer has a tetrafluoroethylene unit content exceeding 40 mole percent.

2. (canceled).

3. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, wherein the tetrafluoroethylene polymer is a perfluoro-based polymer.

4. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, wherein the tetrafluoroethylene polymerization is carried out in the absence of any non-byproduct fluorine-containing surfactant.

5-6. (canceled).

7. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, which has a solid matter concentration of 5 to 70% by mass.

8. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, wherein the particle comprising the tetrafluoroethylene polymer has an average primary particle diameter of 50 to 500 nm.

9. (withdrawn): A tetrafluoroethylene polymer powder which is obtained by coagulating the tetrafluoroethylene polymer aqueous dispersion according to Claim 1.

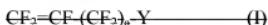
10. (withdrawn): A tetrafluoroethylene polymer molding which is obtained by molding/processing using the tetrafluoroethylene polymer aqueous dispersion according to Claim 1.

11. (withdrawn-currently amended): A method of producing a tetrafluoroethylene polymer aqueous dispersion which comprises carrying out a tetrafluoroethylene polymerization in an aqueous medium in the presence of a fluorovinyl group-containing emulsifier,

wherein said tetrafluoroethylene polymer aqueous dispersion contains a particle comprising a tetrafluoroethylene polymer dispersed in said aqueous medium and has a fluorine-containing surfactant content of not higher than 50 ppm by mass,

said fluorovinyl group-containing emulsifier is added in an amount of 0.00001 to 2% by mass relative to said aqueous medium, and

said fluorovinyl group-containing emulsifier comprises a fluorovinyl group-containing compound (I) represented by the general formula (I):



wherein a represents an integer of 1 to 10 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H , NH_4 or an alkali metal,

a fluorovinyl group-containing compound (II) represented by the general formula (II):



wherein b represents an integer of 1 to 5 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 or an alkali metal,

a fluorovinyl group-containing compound (III) represented by the general formula (III):



wherein X represents F or CF_3 , c represents an integer of 1 to 10 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 or an alkali metal,

a fluorovinyl group-containing compound (IV) represented by the general formula (IV):



wherein X represents F or CF_3 , d represents an integer of 1 to 10, e represents an integer of 1 to 3 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 or an alkali metal,

a fluorovinyl group-containing compound (V) represented by the general formula (V):



wherein f represents an integer of 0 to 10 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 or an alkali metal, and/or

a fluorovinyl group-containing compound (VI) represented by the general formula (VI):



wherein g represents an integer of 1 to 10 and Y represents $-\text{SO}_3\text{M}$ or $-\text{COOM}$ in which M represents H, NH_4 or an alkali metal,

wherein the tetrafluoroethylene polymer has a tetrafluoroethylene unit content exceeding 40 mole percent.

12. (withdrawn): The method of producing a tetrafluoroethylene polymer aqueous dispersion according to Claim 11, wherein the addition of the fluorovinyl group-containing emulsifier is carried out in the manner of a supplementary addition with the progress of a tetrafluoroethylene polymerization reaction.

13. (canceled).